

#8.

Hawaiian Explorations.

D^r. 3946 - D^r. 3948.

Hy. 4215 - Hy. 4260.

May 19^m - 21st, 1902.

Next Hy. 4215.

" Dr. 3946.

Thermometer 98.000

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 47.1

No. *Hy. 4215*. Date *19 May '02*.*Sigsbee* Machine. *1* Reel. *Navy*.Turns *337* Cor. + *34* Depth *371 fms.*~~Shot or lead~~ *36 lbs.*Bottom *fine wh. S. R.*Bottom temperature *44. -*No. of thermometer *92446*. Cor.

Corrected temperature

Air *74. -* Surface *74. -* Drift

Trawl or dredge

P.M. SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2. 37.45</i>	<i>47.05</i>	0		
<i>38.55</i>	<i>46.00</i>	100		
<i>39.55</i>	<i>44.55</i>	200		
<i>41.00</i>	<i>43.45</i>	300		
<i>2. 41.25</i>	<i>2. 43.00</i>	<i>337</i> 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Is Light, N 86° E., 8 ²/₁₀'

OK
H.C.B.
H.C.B.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

337
34
37'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3946 Date 19 May 02.

Sigsbee Machine #1 Reel. Navy

Turns 113 Cor. + 11

Depth 124 fms.

Shot or lead 36 Lbs.

Bottom m. S. S. Co. frag.

Bottom temperature 64.2

No. of thermometer 92446. Cor.

Corrected temperature

Air 76. Surface 74. Drift 1 1/10' (X 24° W.)

Trawl or dredge 8' Tanner with apron.

P.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

3.07.30 3.12.10

08.40 10.50

3.09.00 3.10.30

0

100

113

250.

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3.18.00 08.10

22.00 4.03.15

26.00 59.10

3.28.00 3.54.20

3.34.50

Laysan Is Light, ~~885° E.~~ 8.1' 585° E., 8.0'

OK
xcl. 8.
/

113
111
124

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Water haul; no indication of trawl having been on bottom.

007.
Hutchinson
 No. *3947* Date *19 May '02.*
Sigsbee Machine *N* Reel. *Navy*
 Turns *181* Cor. + *18* Depth *199 fms.*
 Shot or lead *36 Lbs.*
 Bottom *fine wh. S. bk. Sh.*
 Bottom temperature *56.5°*
 No. of thermometer *98234.* Cor. *-0.3*
 Corrected temperature *56.2* { *N 61° E,*
 Air *74.* Surface *74.* Drift *2 1/10'*
 Trawl or dredge *Scanner with apron*

P.M. SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-10.40</i>	<i>16.05</i>	0	<i>4-22.30</i>	<i>37.50</i>
<i>11.45</i>	<i>15.00</i>	100	<i>27 =</i>	<i>33.10</i>
<i>12.45</i>	<i>4-14.00</i>	<i>181</i>	<i>30.30</i>	<i>28.30</i>
<i>Marker end of Sta 5 3946</i>		300	<i>34.10</i>	<i>24.30</i>
		400	<i>38.05</i>	<i>20.10</i>
		500	<i>43.00</i>	<i>5-15.10</i>
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Longwood Light S 78° E., 8 1/10'

OK
H.C.B.
18/18
199

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Tanner Trawl: REMARKS:

2 *Scorpaena remigera*; 1 labroid;
1 *Munida*; 1 shrimp.

Hutchinson

No. *4216* Date *May 19, 1902*

Sigsbee Machine. *9* Reel. *Navy*

Turns *88* Cor. + *9* Depth *97 fms.*

~~Shot or lead~~ *36 lbs.*

Bottom *wh. S. bk. brs and Sh.*

Bottom temperature *67.7*

No. of thermometer *98234* Cor. *-0.2*

Corrected temperature *67.5*

Air *77* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-42.05</i>	<i>45¹⁰</i>	<i>0</i>		
<i>43 =</i>	<i>5:44⁰⁰</i>	<i>88</i>		
		<i>100</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Marks end of
the 15 3947

Laysan Is Light, / S 66° E., 7' 10'

O/K
H.C.H.

88
9
97

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson
 No. *Hy 4217* Date *May 19-02*
Tanner Machine. Reel.
 Turns *40* Cor. + *2* Depth *42 fms*
~~Shot or lead~~ *26 lbs.*
 Bottom *S. Co. Sh.*
 Bottom temperature *73°*
 No. of thermometer *95234* Cor. *0*
 Corrected temperature *73°*
 Air *74* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6:02:10</i>	<i>03:40</i>	<i>40</i>		
<i>02:31</i>	<i>03-</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lagoon Light 66° E., 6 1/10'

OK
35

115
40
456

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4218*, Date *20 May '02*.*Hand* Machine. ~~Reel.~~Turns *—* Cor. + *—* Depth *10 fms*~~Shot or lead~~ *9 lb*Bottom *S. Co. sh.*

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *72* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lat. 30° 30' N. Long. 82° 30' E., 1.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Aug. 14-19-19, 12-12-19
9.10.12 1/4. 9 1/2. 12. 9. 9.

No. *H 219*

Date

*20 May 1902**Hand* Machine *Reel.*

Turns — Cor. +

Depth

9 fms~~Shot or lead~~*9#*

Bottom

S. Co. Sh.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

73

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

625

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lupar JD Light. N 75° E. 1'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Bot 4219 - 20. Lead.
 14 7/2. 14 1/2. 14 1/2. 14 3/4. 13 1/2.
 14. 14. 12 3/4. 13. 10 1/2. 12 3/4. 12.
 11 3/4. 11. 9. 10. 9 1/2. 11 3/4. 9 1/2. 4

No. 4520.

Date

Machine: Reel.

Turns Cor. +

Depth 11 fms

Shot or lead 9#

Bottom S. Co. sh.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 74

Surface 74

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

648

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lupinus Light 2 3708.1 15/10.

OK
1000
1/2

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

11. 11. 12. 13 1/2. 14. 14. 13. 13. 15. 10 1/2
10. 11. 12. 13 1/2. 14. 14. 13. 13. 15. 10 1/2

No. *11271* Date *Jan 12/12*
 Machine. Reel.
 Turns — Cor. + — Depth *115 fms*
 Shot or lead *9#*
 Bottom *S. Co. Sh.*
 Bottom temperature
 No. of thermometer } *7* Cor.
 Corrected temperature }
 Air *76* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan Light, N 17° 30' E., 2 ⁴/₁₀'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *14222* Date *20 May 12*
Sigsbee Machine. Reel.
 Turns — Cor. + — Depth *15 fms*
~~Shot or lead~~ *74*
 Bottom *S. Co. Sh.*
 Bottom temperature }
 No. of thermometer } *—* Cor.
 Corrected temperature }
 Air *76* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7 22

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan Light, N 16° E., 2 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2122* Date *May 20 '02**Tanner* Machine. — Reel. —Turns *13* Cor. + *1* Depth *14 fms*~~Shot or lead~~ *26 lbs*Bottom *C.S. wh. S. brk Sh.*

Bottom temperature

No. of thermometer *Nomen* Cor.

Corrected temperature

Air *76* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*34.00**7.25**13*
~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan I Light, N 10° 30' E, 38/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4224* Date *20 Mar '02*

Tanner Machine. Reel. *-*

Turns *12* Cor. + *1* Depth *13 fms*

Shot or lead *26 lbs.*

Bottom *Co R. wh. S. brk. sh.*

Bottom temperature

No. of thermometer *1200* Cor.

Corrected temperature

Air *76* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7:50</i>	<i>7:50</i>	0		
		<i>12</i>		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Is Light, 118° 30' E., 48' 10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *422.5* Date *20 Mar*
 Tanner Machine. — Reel.
 Turns *54* Cor. + *2* Depth *56 fms.*
~~Shot or lead~~ *26 lbs.*
 Bottom *fine mk. S. brk. Sh.*
 Bottom temperature
 No. of thermometer *None* Cor.
 Corrected temperature
 Air *76* Surface *74* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.08.30</i>	<i>8.10.20</i>	0		
		<i>54</i>		
		1485		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light, N 60 E, 5 1/2

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
496 54 442	3800	12
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4229*

Date *20 May 02*

Machine. - Reel.

Turns *279* Cor. + *9*

Depth *288 fms*

Shot or lead *26 lbs.*

Bottom *fine wh. S. brk. Sh.*

Bottom temperature

No. of thermometer *2* *Thom* Cor.

Corrected temperature

Air *76* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8. 22.50</i>	<i>8. 27.50</i>	0		
<i>20.00</i>	<i>26.00</i>	100		
<i>20.50</i>	<i>25.10</i>	200		
<i>8. 21.25</i>	<i>8. 21.55</i>	<i>279</i> 300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Is Light, N 42 30' E, 6 70'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

486
279
217

12
9
279
588

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 141027 Date 28 May 1901

Sigsbee Machine. 1 Reel. No. 1

Turns 712 Cor. + 71 Depth 783 fms.

Shot or lead 36 Lbs.

Bottom Co. R.

Bottom temperature 37.4

No. of thermometer 94239 Cor. +0.1

Corrected temperature 37.5

Air 76. Surface 74. Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8. 35.00	8. 56.20	0
43.10	55.10	100
44.10	54.20	200
45.10	53.20	300
46.10	52.20	400
47.10	51.20	500
48.10	50.20	600
49.10	49.25	700
8. 17.10	8. 17.10	712 800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Laysan Is Light, N 3° 30' E, 7' 10"

(1000 fms.)

712
711
710
709
708

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 65.3

No. 1518 Date 20 Jan 02

Sigsbee Machine. Reel. Navy

Turns 94 Cor. + 04 Depth 1048 fms.

Shot or lead 35 lb.

Bottom (no specimens.)

Bottom temperature 36.1

No. of thermometer 98234 Cor. - 10.1

Corrected temperature 36.1

Air 77. - Surface 73. - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0.10.18	9.22.40	0
1.10.10	32.50	100
12.05	31.50	200
13.05	30.50	300
14.15	29.10	400
15.15	28.10	500
16.20	27.00	600
18.00	25.50	700
19.10	24.40	800
20.40	23.40	900
9.21.00	9.21.50	1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Super 30 Light, N 47 E, 6 7/10'

OK
11/1/18

4860
954
3906

260
166
954
1058

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *444* Date *20 Jan 1900*
Sigsbee Machine. *#1* Reel. *1000*
 Turns *501* Cor. + *50* Depth *551 fms.*
 Shot or lead *35 lb.*
 Bottom *no spec.*
 Bottom temperature *58.5*
 No. of thermometer *98234* Cor. *+0.1*
 Corrected temperature *39.1*
 Air *77.* - Surface *74.* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.00.30</i>	<i>10.12.20</i>	0		
<i>01.20</i>	<i>11.10</i>	100		
<i>02.10</i>	<i>10.00</i>	200		
<i>03.05</i>	<i>08.55</i>	300		
<i>04.10</i>	<i>07.50</i>	400		
<i>10.05.20</i>	<i>10.06.35</i>	500 <i>501</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Larson's Light, N 8° 30' W, 7 10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H. 1120* Date *20 Mar 1882*
Tanner Machine. — Reel
 Turns *12* Cor. + *1* Depth *13* fms.
~~Shot or lead~~ *26* Lbs.
 Bottom *mk. S.*
 Bottom temperature *72.6*
 No. of thermometer *90224* Cor. *0*
 Corrected temperature *72.6*
 Air *77.* — Surface *74.* — Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.26.40</i>	<i>10.28.10</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Layen Light, N 30° 30' W., 5'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *433* Date *20 June 1902*

Hand Machine. Reel.

Turns — Cor. + — Depth *13*

Shot or lead *9 lbs*

Bottom *mk. S.*

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *77* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.52

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lapan Light. 2142° 30' N, 4° 10' W

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 71.0

No. *4232* Date *20 May '12*
Hand Machine. Reel.

Turns — Cor. + — Depth *15 fms.*

Shot or lead *9 Lbs.*

Bottom *wh. S.*

Bottom temperature

No. of thermometer *None* Cor.

Corrected temperature

Air *78.* - Surface *76.* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.03. -</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Is Light, 2144-24, 3 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	4.92 12
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4323* Date *20 May 1900**Hand* Machine. Reel.Turns — Cor. + *1* — Depth *13 fms.*~~Shot or lead~~ *9 lbs*Bottom *mk. S.*

Bottom temperature

No. of thermometer *2* *none* Cor.

Corrected temperature

Air *78* — Surface *76* — Drift

Trawl or dredge

2.11.11 SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11. 12. —

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lupen Light, N 45° 30' W, 2⁸/₁₀

ck
100
200

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Sounding. 4233 and 4234.
Haul Lead: 13. 12. 14. 12. 10.

Recd. = 73.2

507.

No. *4237* Date *20 May 1902*

Machine. *1* Reel.

Turns *—* Cor. + *—* Depth *11 fms.*

Shot or lead *9 lbs.*

Bottom *mk. S.*

Bottom temperature

No. of thermometer *2 none* Cor.

Corrected temperature *✓*

Air *78.* - Surface *76.* - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lampard Light, 51°45' 30" N, 2°15'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

From 4234 - 35
 Hand: 12.12, 12, 11. 11. 12. 10. 9.
 10. 8. ~~10. 7.~~

No. *4235* Date *20 May 1902*

Hand Machine. Reel.

Turns — Cor. + — Depth *8 1/2*

Shot or lead *7 lbs.*

Bottom *ml. S.*

Bottom temperature

No. of thermometer } *None* Cor.

Corrected temperature

Air *78.* - Surface *76.* - Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.30. -

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laguna Light, N 85° W, 2'

5/10
3000

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Surface temp. 42.35 - 42.31, 15.00
10. 10. 11. 12. 11. 12. 13. 13. 10.
13. 14. 13. 12. 14. 14. 14. 14. 15 18
16.

No. *Hy. 4236* Date *Dec 2 1902*
Machine #1 Reel *Heavy*
 Turns *20* Cor. + *2* Depth *22 fms*
 Shot or lead *36 lbs.*
 Bottom *crs. sh. S. bk. Gr.*
 Bottom temperature
 No. of thermometer } *none* Cor.
 Corrected temperature
 Air *77* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-10.50</i>	<i>12-12.45</i>	0		
<i>11.15</i>	<i>12-12.25</i>	40		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lupard Light, N 10° 30' 97" E.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

496

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

75.0

No. *4237* Date *May 20-02.*

Machine. *#1* Reel. *Navy*

Turns *15* Cor. + *2* Depth *17 fms*

Shot or lead *30*

Bottom *wh S.S.*

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *77* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>32.10</i>	<i>33 15</i>	0		
<i>32.30</i>	<i>33 =</i>	15		
		400		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light, 1880/55 71.6.

OK
25.89
15
2
17

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
 No. 4235 Date May 30-02.
 Tanna Machine. Reel.
 Turns 38 Cor. + 2 Depth 40 fms.
 Shot or lead 26 lbs.
 Bottom m. S. S.
 Bottom temperature }
 No. of thermometer } none Cor.
 Corrected temperature }
 Air 77 Surface 75 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-45.0	47.30	38		
47.30	47.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Layton Light, N 60° W, 6 3/10

612
2000
2000

496
38
—
534

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

00.55

15.30

0

01.55

14.15

100

03.05

12.30

200

04.05

10.10

300

05.10

07.35

400

06.50

1- 06.40

450

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Louisa Light. 480° N. 1/2 E.

OK
J. C. Smith

495
440
55

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES:

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

C.L. 81.2

No. *240*Date *May 20-02*Machine *Hand*Reel *Hand*Turns *540* Cor. + *54*Depth *594 fms*Shot or lead *35*Bottom *no specimen*Bottom temperature *39.1*No. of thermometer *95524*Cor. *+0.1*Corrected temperature *39.2*Air *77*Surface *75*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1-25.55</i>	<i>41.50</i>	0
<i>27.25</i>	<i>40.40</i>	100
<i>29.30</i>	<i>39.45</i>	200
<i>31.35</i>	<i>38.45</i>	300
<i>33.35</i>	<i>37.30</i>	400
<i>35.30</i>	<i>36.30</i>	500
<i>37.25</i>	<i>35.50</i>	<i>540</i>
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Longport Light, N 83° W, 770'

ick
31/11

540
50
590

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.
Whitman
 No. *4241* Date *May 20-02*
Sigsbee Machine. *#1* Reel. *Hand*
 Turns *54* Cor. + *5* Depth *59 fms.*
 Shot or lead *35 lbs.*
 Bottom *Rocks*
 Bottom temperature *71.2*
 No. of thermometer *7534* Cor. *-0.2*
 Corrected temperature *71.0*
 Air *77* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2-16.40</i>	<i>19.05</i>	<i>54</i>		
<i>07.15</i>	<i>08.30</i>	<i>100</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light, 88° 30' N., 157° 10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

55
5
59

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 85.2

No. 4742

Date May 20 - '02.

Machine.

Reel.

Turns 20 Cor. + 2

Depth 22 fms

Shot or lead 36 lbs

Bottom m. s. R. R.

Bottom temperature 74.5

No. of thermometer 75234

Cor. 0

Corrected temperature 74.5

Air 77

Surface 75

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

31.30

32.30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laguna Light. 79° 21' = 10

EC
3000

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Hy 4243

Date

May 20 - 12

Machine.

Reel.

Turns

20

Cor. +

1

Depth

21 fms

Shot or lead

26 lbs.

Bottom

Dr

Bottom temperature

74°

No. of thermometer

234

Cor. 0

Corrected temperature

74°

Air

77

Surface

75°

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 01.20 2.10
01.30 3.15

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laijan 30 Liges, 251071/6.

OK
3/12/71
2/2

496
20
476

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 87.2

No. *4244* Date *May 20-02.*
Sigsbee Machine. — Reel. —
 Turns *20* Cor. + *1* Depth *21 fms*
 Shot or lead *26 lbs*
 Bottom *wh S. co B. bk Sh.*
 Bottom temperature —
 No. of thermometer *28234* Cor. —
 Corrected temperature *73.8*
 Air *77* Surface *75* Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-13.30</i>	<i>14.25</i>			
<i>13.50</i>	<i>14.10</i>	<i>20</i>		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Is. Light, B. I. 11. 51

OK
11/11/11
J. H. S.

496

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

02. 90 2

Hy 4245 No. *May 20 - 02* Date

Machine. Reel.

Turns *19* Cor. + *1* Depth *70 fms*

Shot or lead *26 lb.*

Bottom *ms. S. 44.38 S.*

Bottom temperature *74.3*

No. of thermometer *95234* Cor. *0*

Corrected temperature *74.3*

Air *77* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-25.30</i>	<i>26.45</i>	0		
<i>25.50</i>	<i>26.20</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Saugon Light, Dec 30, 1914

*OK
H. J.*

*496
19
477*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Soundings between No 4245-4246

REMARKS:

Hand Line
15. 15. 13. 13. 12 3/4. 10 1/2.
14. 13. 12 1/2. 12 3/4. 12 3/4.

No. *492246* Date *May 20 - 02**Hand* Machine. Reel.

Turns Cor. +

Depth *12 3/4*~~Shot or lead~~ *9 lbs.**13 fms.*Bottom *no specimen.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *76* Surface *75* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan D Light. 8.5.10.21 258

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2417* Date *July 20* 02
Machine *Reel*
Turns *18* Cor. + *1* Depth *19* fms
~~Shot or lead~~ *26*
Bottom *R. Sea Weck*
Bottom temperature
No. of thermometer *11112* Cor.
Corrected temperature
Air *76* Surface *75* Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.00</i>	<i>2.01</i>	0		
<i>50.40.00</i>	<i>50.40.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lamp and Light 0.5 11 187

0.5
1.0
1.5

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

46.5
1.1
1.2

1.7
1.1

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4241* Date *20 July 02*
 Machine. Reel.
 Turns *20* Cor. + *2* Depth *22*
 Shot or lead *36*
 Bottom *R. S. mud*
 Bottom temperature
 No. of thermometer *1111* Cor.
 Corrected temperature
 Air *76* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.10.40</i>	<i>11.50</i>	<i>20</i>		
<i>11.10</i>	<i>4.11.30</i>	<i>100</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light

*616
1003*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
~~3900~~
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 49

Date

May 02

Machine. 11

Reel. 11

Turns 18

Cor. +

Depth 207m

Shot or lead 35

Bottom R. fine wet

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 70

Surface 70

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

420.05

20.50

0
18

210.20

420.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Luzon Light

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
1000				

REMARKS:

No. *4250* Date *20 May 1903*
Sigsbee Machine. Reel.
 Turns *19* Cor. + *2* Depth *21 fms*
 Shot or lead *36 lb*
 Bottom *R. sh.*
 Bottom temperature
 No. of thermometer *None* Cor.
 Corrected temperature
 Air *76* Surface *75* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.29.10</i>	<i>4.27.40</i>	0		
<i>29.30</i>		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Seymour Light, 11-11-10

OK
J.C.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 18

Cor. +

Depth

Shot or lead

26

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

76

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4.38.30
4.31.15

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laguna Light, 21-11-11.

400
17

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4567* Date *1911*
 Machine. *1* Reel. *4*
 Turns *59* Cor. + *2* Depth *60*
 Shot or lead *26*
 Bottom *S.K.*
 Bottom temperature
 No. of thermometer *111* Cor.
 Corrected temperature
 Air *76* Surface *70* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.19.00</i>	<i>4.51.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Layard Light, 1890, 4.

C.R.
1890
27

4/1
50
420

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4253 Date 9/9/3

Machine. 1

Reel. 188-0

Turns Cor. + 5

Depth 87

Shot or lead 35

Bottom Co. S. R.

Bottom temperature 42.8

No. of thermometer 98-04

Cor. -0.2

Corrected temperature 42.6

Air 75

Surface 75

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

03.30

10.30

0

04.30

09.20

100

05.36

08.10

200

06.10

07.10

300

352

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Layard Light

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

352
35
87

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

80

Depth

879 fms.

Shot or lead

35 lbs.

Bottom

no specimen -

Bottom temperature

36.7°

No. of thermometer

8236

Cor. + 0.1

Corrected temperature

36.8

Air

75. -

Surface

75. -

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5. 22.30

5. 46.30

0

22.25

36.20

100

25.00

33.15

200

25.00

37.10

300

26.00

36.00

400

27.05

34.00

500

28.20

32.45

600

29.50

32.40

700

5. 30.15

5. 31.30

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lampard Light, S 10° N., 8³/₁₀'

OK
200
22

799
80
~~879~~

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

11 42.55

Date

21 Dec 02

Machine.

Reel.

Turns

Cor. +

Depth

14 fms

Shot or lead

9 lbs

Bottom

S. Co. S.

Bottom temperature

No. of thermometer

None

Cor.

Corrected temperature

Air

73

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan Light, East, 1⁵/₁₀

E.C.
3000

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Soundings 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000.
21.

No. 4256

Date

31 Dec 1902

Hand

Machine.

Reel.

Turns

Cor. +

Depth

21 fms

Shot or lead

Bottom

S. Co. Sh.

Bottom temperature

No. of thermometer

2 none Cor.

Corrected temperature

Air

78.

Surface

75.

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lizard Light, S 59° 30' E, 2 1/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Soundings bet Hy #256 - 425, by hand.
21. 21.

No. *425* Date *21 May 12*

Tanner Machine. - Reel.

Turns *20* Cor. + *1* Depth *21*

Shot or lead *20 lbs.*

Bottom *cr. R.*

Bottom temperature

No. of thermometer *L None* Cor.

Corrected temperature

Air *73.* - Surface *75.* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light S 51° 30' E, 3 1/10'

OK
300 fms.
200

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

20
476

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 12.5

No. 4255 Date 21 May '05.

Machine. + Reel.

Turns 18 Cor. + 1 Depth 19 fms.

Shot or lead 36 lbs

Bottom br mgy.

Bottom temperature 74.5

No. of thermometer 25234 Cor. 0

Corrected temperature 74.5

Air 78 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

43.20

44.25

43.40

43.45

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Laysan Light, 248° E., 4.1'

O/R
J.C.B.
23

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

17

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cape Cod Bay. 1880

No. 4259 Date May 21st

Machine. Reel.

Turns 18 Cor. + 1 Depth 19 fms

Shot or lead 26 lbs.

Bottom Co. rky.

Bottom temperature 74.2°

No. of thermometer 25234 Cor. 0

Corrected temperature 74.2°

Air 74 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

55.40

56.35

56.05

56.20

0
10
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Seipand Light. S 47° E, 5 ¹/₁₀'

616
KOR.
7/2

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 14.05

507.

No. 4260

Date May 31

Tanner Machine. Reel

Turns 18 Cor. + 1 Depth 7 fms

Shot or lead 26 lbs.

Bottom br R.

Bottom temperature 74°

No. of thermometer 98334 Cor. 0

Corrected temperature 74-

Air 74 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3:07.15	08.15	0		
07.25	07.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lupano Light, 54° 5', 67° 10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson
 No. *5* 3948 Date *May 21st* '02.
Tanner Machine. Reel. —
 Turns *36* Cor. + *2* Depth *38 fms*
 Shot or lead *26 lbs.*
 Bottom *br S.*
 Bottom temperature *74°*
 No. of thermometer *98234* Cor. *0*
 Corrected temperature *74-* *GN 60° E.,*
 Air *74* Surface *76* Drift *2 1/10'*
 Trawl or dredge *Tangle swabs; 7 Swabs Kemp-*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-27.20</i>	<i>29 =</i>	<i>0</i>	<i>8.34⁰⁰</i>	<i>9.01 am</i>
<i>27.40</i>	<i>28.30 =</i>	<i>36 100 61</i>	<i>36.20</i>	
		<i>75 200</i>	<i>44⁰⁰</i>	<i>8-56.55</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Light, $84^{\circ}E$, $710'$.

OK
H.B.
/ 2

496
36
460

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 samples:
Two coralline nodules;
green corallines; algae overgrown
with bryozoa; anomuran crab.

No. _____ Date _____

Machine. _____ Reel. _____

Turns _____ Cor. + _____ Depth _____

Shot or lead _____

Bottom _____

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

- 0-60

- 5-35

207 - 30-60

57-35